

WHAT IS CLAIMED IS:

1. A mechanical structure presenting at least one vibratory property, the structure presenting at least one element for modifying said vibratory property, which
5 element is made of a flexible and heavy polymer, e.g. containing massive filler material, and the flexible and heavy polymer presents specific gravity lying in the range 3 to 10 and said element is secured to a region of the structure.
- 10 2. A structure according to claim 1, wherein said polymer presents a modulus lying in the range 10^4 Pa to 10^7 Pa.
- 15 3. A structure according to claim 1, wherein the polymer is polyurethane, silicone, natural rubber, or synthetic rubber.
- 20 4. A structure according to claim 1, presenting massive filler material constituted by metal and/or mineral particles.
- 25 5. A structure according to claim 1, the structure being constituted at least in part by a honeycomb type panel comprising two outside plates with an array of cells disposed between them, and at least some of said cells are filled with a said element of flexible and heavy polymer.
- 30 6. A structure according to claim 1, the structure being constituted by a load-carrier frame presenting at least one opening in which a plate is engaged or fixed, and the structure presenting at least one strip or plate of a said flexible and heavy polymer which is fixed to at least a portion of the perimeter of at least one said plate which is engaged or fixed to the load-carrier frame.

7. A structure according to claim 6, presenting at least one plate made of a said flexible and heavy polymer and at least one corner of a said plate which is engaged or fixed to the load-carrier frame.

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8. A structure according to claim 1, presenting at least one fixing hole arranged around a region of the switches, and further presenting at least one ring of a said filled flexible polymer secured to the structure and surrounding 10 said fixing hole.